



OREGON TUALATIN VALLEY

Aug. 1984

AMATEUR RADIO CLUB

Po Box 5132 Beaverton, Oregon 97006

EDITOR: AL BERG WB7SIC

Membership: 257

CIRCULATION 290

President: Dave Parker
Vice-Pres: John Haide
Secretary: Linda Cereghino
Treasurer: John Burgess

W7LJN
WA7CZA
N7CZY
N7DCQ

Trustee: Al Berg WB7SIC
Trustee: Randy Cobb KA7HJT
Trustee: Warren Knight N7BIJ
Trustee: John Koenig NB7W
Trustee: Jerry Norman ND7T

MEETING: 2nd WEDNESDAY BEAVERTON ELKS AT 7:00 p.m. (Dinner at 6:30 p.m.)

MEETING PROGRAM: COMPLETE PROGRAM DETAILS CAN BE FOUND ON THE BACK PAGE.

RAT-A-TAT-TAT

Our VIEWMASTER program at the July meeting was a very good one. A super, well attended meeting and judging from the membership response in asking questions of Rich Dubnow, our VIEWMASTER guest, the program stirred a lot of interest. Just the kind of dog and pony show we need to get attendance back up to prior levels. Hats off to Dave and John for a 'better idea'.

It is only a few weeks until our PCC sponsored licensing classes begin. Talk it up among your friends both in-club as well as outsiders. We need to drum up more interest in upgrading classes for Advanced and Extra. It has been tough in the past to get enough people signed up to justify our tutoring for the upper classes. Perhaps at least one session of the three that are held during fall thru spring will bring enough registrants to make a class session possible.

The club CAMPOUT/PICNIC is coming up this month and details of our super fun weekend can be found a page or two further on. If you have the weekend free, give some serious consideration to attending what we consider to be a real 'BLAST'. If you are not set up for camping out at least try to make it on Saturday as that is the heavy day of fun and games. Lots of fun for the whole family. Unlike Field Day there is no work in set-up of towers and etc.. Just lots of fun, picnic type games, some light duty contests with prizes and just to make sure you bring the kids, we might have a 'money in the straw hunt'. When the kids have found all of the quarters, dimes and nickels, we can watch Wes, K7WWG, show how much fun it is for adults to sift the wreckage in hopes of getting a little extra lunch money!!

SWR BRIDGE: (see also "Antenna Tuner") A low SWR is the information conveyed by an SWR meter to let the operator

know everything is hunkey-dorey. Stands for "Swell Work-in Radio." Invented by Aesop.



The March of Dimes Break Away Bike Race went very well on Sunday, July 1. There were 243 entries and the first bike in made the 27 miles in 1 hour 58 seconds. I would like to thank N7FVH, Debby, KC7PS, Bud, W7JWG, Bert, AJ7J, Roger, N7DCQ, John, N7DUJ, Roy, KA7KNG, Sherrill, KA7SSX, Jennie and N7FCA, Dave. You all did a great job. Randy, KZ7T

BUD LIGHT NATIONAL TRIATHLON

Sunday, July 15, saw the fifth in a national series of ten triathlons. These ten events, held around the United States, must be competed in, to qualify for the biggie---The Ironman Triathlon held this winter in Hawaii.

A very big thank you to those who worked communications, Bud KC7PS and coPilot Sally, Bert W7JWG and coPilot Carol, Roy N7DUJ and coPilot Satsuki, Jenny KA7SSX, Sherrill KA7KNG net control and Randy KZ7T monitoring at home.

Many thanks again, to those who made this event a success.
KAZENG

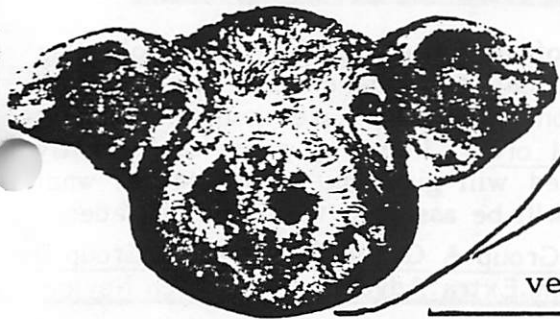
THE LIGHT AT THE END OF THE TUNNEL IS PROBABLY
THE HEADLAMP OF AN ONCOMING FREIGHT TRAIN.....

A \$300.00 PICTURE TUBE WILL PROTECT A 10 CENT FUSE BY BURNING OUT FIRST.

I CAN COMPLAIN BECAUSE ROSE BUSHES HAVE THORNS OR
BE GLAD THAT THORN BUSHES HAVE ROSES.

NO ONE'S LIFE, LIBERTY OR PROPERTY IS SAFE WHILE
THE LEGISLATURE IS IN SESSION.....

This fall the ARRL members in our division will be voting for a new (or old) Director and Vice Director. OTVARCs own KB7CC, Bob Orr, has thrown his hat in the ring for the VP position and will be campaigning here and there throughout the division during the coming few weeks. Bob is a very capable and well deserved person for the position and if elected would be a big asset to the league and its members. Bob was one of the founders of OTVARC and a past President, trustee and committee chairman. The Orrs just retired from active work and will have the time to devote to furthering the leagues goals and many varied programs. We will be hearing more about the coming election in next months newsletter. The campaign should prove to be interesting.....



HOWDY
COUSIN !

NEW MEMBERS

A big welcome to the newcomers for this month.

Bob Jenkins, W7BKN, Jack Hubbard, KA7SJB, Malcolm Owens, W7AMR, Randy Stevens, KA7TDZ and Andy Anderson, KA7TEC.

UPGRADES-CALL CHANGES

Paul Wilkins, KA7TDY up to tech and John Luke, WA7OIP to general. KA7FMY has a call change to KD7UZ. Congratulations to all!!!!

MESS UP: Wrote up John Conley last month as KD7MM when it should have been K7DMM. John recently moved to our area from Eugene and was active in the club there. Says he helped out with the Lane County ham fair. Sorry about the goof. Gettin tired of wet noodle scars.....

CONVENTION BANQUET PRIZE: Betty Hartzig, W7CPV, tells us that the lucky winner of the Vic 20 at the banquet was Vance Shearer, W7VIF. Thanks to Betty all of the winners are accounted for. Hey Betty, how about coming up to a meeting?? (Betty lives in Grants Pass)

POTLUCK PICNIC

CAMP-OUT

WHEN: August 24-25-26. Friday, Saturday and Sunday.

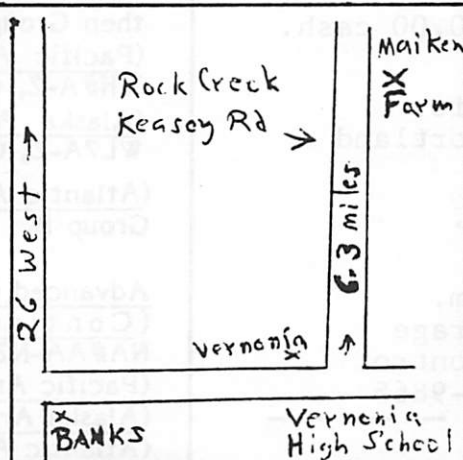
WHERE: The Harold Maiken farm. Same site as field day. Call for info.

TIME: Anytime on Friday until anytime on Sunday.

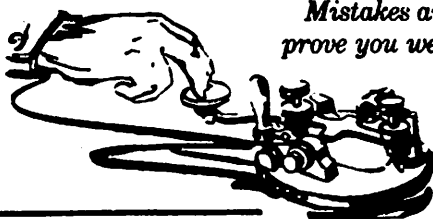
Potluck will be held early Saturday evening. Many games for all ages will be held. Egg toss, balloon toss, horseshoes, volleyball, hand-held bunny hunt, penny scramble for the kids (and K7WWG), sack race and maybe even a kids fishing derby. LOTS of activity...

Here is how the food will be handled: Those with last names beginning A thru H bring a hot dish. I thru N bring a salad, O thru T a dessert and U thru Z bread, rolls and butter. YOU MUST BRING ALL OF YOUR OWN UTENSILS. The club will furnish a keg, soda pop and coffee. Also, you will have to take your own garbage home. AND, ONCE AGAIN, NO PETS!!!! Certain people seem to be hard headed about the pet thing. If it means the difference between keeping or losing our site, names will be named!! Whatever it takes to get the message to sink in will be done. If you just can't stand to be away from your pet for a couple of days, stay home with it ! If the shoe fits, etc..

The map is for some of our newer members and there are quite a few. The place is just super for a large group and as many have heard this all too often we will say no more about it. It is assured that if you can make it you will have a great time. Be sure to take your family on this one...



If you have a raft or inner tube be sure to bring it or them along as Rock Creek is warm this time of year and a real kick. By the way, if you are into archery, bring your outfit along as there are usually a number of people who form up a little informal type of shooting contest.



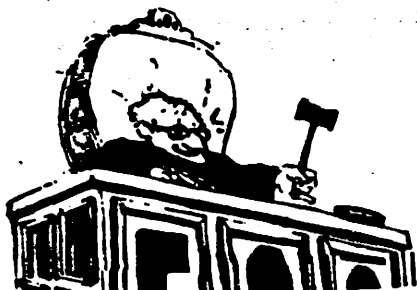
Mistakes aren't all bad—they at least prove you were doing something.

Results Eleventh ARRL 10-meter Contest

Division Leaders

Division	Mixed	CW	Phone	Multip
Atlantic	N3DAY	K3WGA	AC3T	K3GM
Central	W9XT	W9ZRX	WB9FOL	W8LT
Dakota	K8/KX	KA8QAV/N	AC8/W	K8/SR
Delta	W5XZ	W5WG	N4ZZ	NR4S
Great Lakes	K8CX	N4AR	K8ZE	K8III
Hudson	AE2A	ND2K	N2BJ	W2AZO
Midwest	WA8QMU	K4VX	KB8/PR	KM8/Q
New England	AA2Z	KS1Y	KG1E	KB1U
Northwestern	WA7UQV	K7QQ	AG7M	ND7T
Pacific	N8NF	KS6H	A18V	K7SFN
Roanoke	K3EST	AA4VK	WD4BTF	K4YTZ
Rocky Mountain	WB7YK	AC6S	WA7HQD	AA5B
Southeastern	KF4FN	N4BP	NU4Y	KB4HF
Southwestern	WB7FDQ	W7FGT	K8SVL	K8HAI
West Gulf	NA5R	N5JJ	N5AU	W5VX
Canadian	VE3CVX	VE8CHW	VE3CYX	VE7ZZZ

OTVARC DID WELL!! SUPER TRY.



STOLEN RADIO REPORT

ICOM 245 with SB. Serial #3812
ODL on case. Judy at 771-4667

Yaesu FT208R Serial #2K210462
Bob at 656-4554

ICOM BP-3 & DC-1 + \$1000.00 cash.
Don Tooley at 370-8335

Kenwood TR7950 & MC46 mic.
Serial #4050280 Call Portland
Radio at 228-8647

ICOM 2AT Serial #44650.
Ron Gould, KD7RJ

Yaesu FT290R all mode 2m.
Serial #1H031820 + a Mirage
B-108 amp with remote control
head. Win Tatro at 246-9865

AMATEUR RADIO CALL SIGNS ISSUED....

As of the first of July, the following ham radio call signs have been issued. Since all station call signs are issued in strict sequential order, knowing what has recently been issued will give you some idea of what call you will be assigned when you upgrade:

Radio Group A Group B Group C Group D
District Am.Extra Advanced Tech/Gen Novice

0	NG0H	KD0RA	N0FPF	KA0TGO
1	KW1G	KB1OG	N1DEM	KA1LZF
2	NG2B	KD2HR	N2FBC	KA2VQJ
3	KT3Q	KC3OE	N3DZO	KA3MZC
4	AA4DH	KI4OZ	N4KMC	KB4KWQ
5	NR5E	KE5QC	N5HDB	KA5UGQ
6	WB6Q	KG6IG	N6KXO	KB6FXV
7	NI7S	KD7XT	N7GJI	KA7TOC
8	NJ8E	KD8SJ	N8FWI	KA8VDZ
9	NB9G	KD9JH	N9EQG	KA9SGU
N.Mariana	AH0D	AH0AC	KH0AG	WH0AAG
Guam	AH2T	AH2BA	KH2BO	WH2AEC
Johnston I.	AH3A	AH3AC	KH3AB	WH3AAC
Midway I.		AH4AA	KH4AD	WH4AAF
Hawaii	WH6U	AH6FJ	NH6BP	WH6BAI
Kure Is.			KH7AA	
Am.Samoa	AH8B	AH8AB	KH8AD	WH8AAO
Wake Wilkes Peale	AH9AB		KH9AB	WH9AAB
Alaska (*)	AL7FZ		NL7DY	WL7BEC
Virgin I.	KP2K	KP2AT	NP2BE	WP2ADY
Puer.Rico	WP4D	KP4HV	NP4KQ	WP4DNU

(Note: Group A/Ex. Class call signs in Alaska have been used up. FCC now issuing Group B call signs to Group A. Only 5 Group A call signs left in Hawaii.)

CALL SIGN PREFIX ASSIGNMENT ORDER....

This is for those of you who are interested in knowing the exact prefix assignment order for all ham license classes. (There are some exclusions.)

Extra Class - Group A

(Contiguous USA) AA#A-AK#Z, KA#A-KZ#Z, NA#A-NZ#Z, WA#A-WZ#Z, AA#AA-AK#ZZ then Group B

(Pacific Area) AH#A-Z, KH#A-Z, NH#A-Z, WH#A-Z, Group B.

(Alaska Area) AL7A-Z, KL7A-Z, NL7A-Z, WL7A-Z, Group B.

(Atlantic Area) KP#A-Z, NP#A-Z, WP#A-Z, Group B.

Advanced Class - Group B

(Contiguous USA) KA#AA-KZ#ZZ, NA#AA-NZ#ZZ, WA#AA-WZ#ZZ, Group C

(Pacific Area) AH#AA-ZZ, Group C

(Alaska Area) AL7AA-ZZ, Group C

(Atlantic Area) KP#AA-ZZ, Group C W5Y1

THE AMERICAN RADIO RELAY LEAGUE, INC.

ADMINISTRATIVE HEADQUARTERS NEWINGTON, CONNECTICUT, U. S. A. 06111

To Amateur Radio Clubs:

QST
OFFICIAL JOURNAL

Effective with the dues increase July 1, 1981, the club may now keep \$2.00 for its treasury for each regular new member or regular membership renewal submitted through the club.

Here are the details. The individual club member pays the club treasurer or other officer the regular annual ARRL dues of \$25, or \$30 in Canada, or the special rates upon request for those age 65 and older or age 17 and younger. (The member requesting the special rate must provide proof of age such as a copy of a driver's license or birth certificate which must accompany the membership application sent to Headquarters.) The officer forwards \$23 (\$28 in Canada) for each membership taken at the full rate. \$2 is retained for the club treasury for each regular membership outlined above. Any number of memberships may be submitted in this manner. Please indicate whether each membership sent to us is new, a renewal or an extension of an existing membership.

When a multiple-year membership is sent through an affiliated club, the amount retained by the club for handling is \$2 per membership regardless of the number of years being entered. For example, a member wishes to renew for 3 years. He pays the 3 year multiple year rate of \$72. \$2 goes to the club treasury and \$70 is remitted to headquarters.

The special club offer does not apply to life memberships (or payments made toward life membership on the quarterly payment plan).

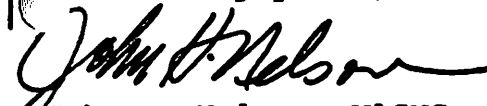
Any member of the immediate family (i.e., husband, wife, brother, sister, son, daughter, father or mother) of an ARRL member, and living at the same address, may also become a League member, without QST, at the special rate of \$2.00 per year. Such family membership must run concurrently with that of the regular member receiving QST, and is not subject to the special club offer.

IMPORTANT: To maintain continuity of membership, which is important since four years of continuous membership is required of candidates of ARRL director and vice-director, renewals should be submitted well in advance of expiration. Membership records are based on the date of receipt at headquarters, and a lapse occurs if a renewal is not received prior to expiration, or within the grace period of 30 days. Don't let a member be penalized inadvertently by allowing his membership to lapse.

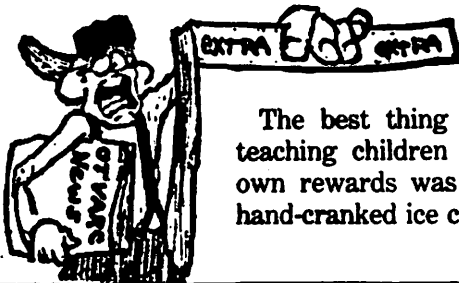
Last but not least, 100% ARRL membership entitles each affiliated club to special recognition - an attractive certificate.

Every ham needs an amateur radio club and the League. Make joint membership a continuing club project!

Fraternally yours,



John H. Nelson, W1GNC
Circulation Manager



The best thing ever invented for teaching children that work has its own rewards was the old-fashioned, hand-cranked ice cream freezer.

NEW THIRD PARTY COUNTRY LIST ISSUED

The FCC has issued a new list of nations that the United States may exchange third party communications with since there have been some recent changes. The list now reads:

Antigua and Barbuda	Argentina
Australia	Bolivia
Brazil	Chile
Colombia	Cuba
Dominica	Ecuador
El Salvador	Ghana
Grenada	Guyana
Haiti	Israel
Jamaica	Liberia
Mexico	Panama
Paraguay	St. Lucia
St. Vincent & the Grenadines	Swaziland
Trinidad & Tobago	Uruguay
Venezuela	4UITU/Geneva, Switzerland

In addition, the following nations have been given special (temporary) permission to exchange third party traffic between the Olympic Village and the athletes' home countries between July 1 and August 31, 1984:

WSYI

Hong Kong	Indonesia	Romania
Zimbabwe		

SAD BUT TRUE -----

The subject on the right is an ongoing one and may soon be repeated with another call and another situation. It is unfortunate that a few misguided individuals have the ability to inflict such large scars in what is such a fine hobby. As our ranks grow so do the incidences of misuse become more prevelant. When CB got its start it was a very gentlemanly way to communicate but as the numbers increased the quality of operation went down. Down to the point where you now should not allow your kids to own a pair of walkie talkies, at least if you care about what they hear! The last paragraph of the article is very disturbing. It's great when we hear of some action on a bad situation but not so good when it leaves a bad taste in the mouths of those who administer to our hobby!!! Vive 2m???

UNLICENSED AMATEUR FACES INJUNCTION

In an effort to stop further unlicensed amateur radio operation by Gary W. Kerr, and to collect a \$2,000 fine assessed against him, U.S. Attorney Joseph P. Russoniello for the Northern District of California has taken legal action that could result in an injunction being placed against him.

Gary W. Kerr of Los Gatos, California, previously held a General Class amateur radio operator license and station license WA6JIY. His license renewal application was denied after an FCC hearing in San Francisco. Kerr was found to have caused intentional interference to amateur 2-meter repeater operations in the San Francisco Bay area.

The FCC Review Board affirmed the findings and agreed that Kerr's "calculated and deliberate conduct in repeatedly and for long periods interfering with legitimate communications on the Grizzly Peak repeater required denial of his renewal application." Kerr claimed he was conducting tests and was not jamming the repeater's operation. The Board said FCC rules do not permit tests of the sort he claimed to be running.

Denial of his renewal was final in September 1982, but local FCC field offices continued to receive reports that Kerr was still operating on amateur radio frequencies. After numerous complaints, a field investigation was initiated by the San Francisco FCC district office. Kerr was found to be operating an unlicensed transmitter on a frequency used by a local 2-meter repeater station. He was fined \$2,000 for operating an unlicensed station on April 13, 1983.

Despite repeated official requests, Kerr has not yet paid the forfeiture. This has resulted in the issue being referred to the U.S. Attorney for collection in federal court. The local FCC office said that it has received reports that Kerr "intends to disrupt amateur radiocommunications associated with the upcoming Olympics."

The Commission said in their July 3rd Public Notice that the action against Kerr is not typical in a service that has prided itself for years as "self-regulatory" and added "...present problems with 2-meter repeater operators have given the Commission serious concerns for the future of amateur radio requiring firm enforcement action to halt the degenerative trend." WSYI



2M HAPPY HOUR

***DATE:** Friday, August 10, 1984 ***TIME:** 8:00pm to 9:00pm.
***FREQUENCY:** FM simplex 147.42MHz to 147.57MHz
***OBJECT:** To work as many different stations as possible, and in so doing accumulate the highest possible score. To promote the spirit of friendly competition and sportsmanship.
***EXCHANGE:** Call, name, type of radio you are using, and its power output or E.R.P.
***MULTI-OP STATIONS** are encouraged. One transmitter and one receiver at a time.

***CASUAL OPERATION** is welcomed. Tune in and work your friends, or just make a few contacts. Casual operators add a lot of fun to this contest.

***SCORE** is based on total number of different stations worked. Add one point for each different station worked during contest period. No multipliers.

***LOGS:** Use the log of your choice. Logs are due at the September 12 meeting, or postmarked no later than September 13, '84. Mail logs to:

OTVARC, P.O. Box 5132, Beaverton, OR 97006

PLEASE submit your log, by doing so you indicate that you enjoy this type of activity and would like to see club sponsored contests continue.

***PRIZES:** Unique HAPPY HOUR engraved plaques will be awarded to the winner and runner up.

***IMMEDIATELY FOLLOWING** the contest a meeting will be held at Sunshine Pizza in Aloha to speculate on the outcome of the contest. Everyone is invited to attend even if you don't work the contest.

AN INVITATION

If the club intends to endorse our co-sponsoring a 1985 Oregon State Ham Convention and if it wishes Doc and myself to continue in the capacity of chief grunts it is now time to tell you like it is. We are in need of a few fresh bodies in just about all areas of responsibility and we need them to be of the 'do it now' type. As it is with many other club activities, the same people do the same jobs every year. This has to change for the convention or there will be none. Anyone who feels that they have something to offer is encouraged to step forward and make it known. Keep in mind that the simplest job can become very, very difficult if there is no one to do it! Just the easy job of making sure that the exhibitors coffee pot was not empty became a real pain last June because the two people who undertook the task had other things to do. So-we need help, no matter how small it may seem. Remember, the convention is a CLUB function. It is not 'owned and operated' by your co-chairmen!!! It is YOURS. If our Prez brings up the subject, at the August meeting, and a show of hands is asked for regarding whether or not we should go to work again, make sure that if your hand goes up it is not just to show that you would like to attend the convention but that you are willing to do something to help it.

I hope that we can have some final figures in next months 'letter'. You all are curious as to how we came out on the dollar end of things and we should have a pretty accurate tally of attendance figures. From all appearances it was very successful. Both in dollars as well as attendance but the most rewarding thing we have to date is in the questionnaires which we put in the registration packets. Comments to date have been more than excellent. There are only three areas that stand out which need correcting and two of those were errors caused by a lack of communication. Not bad! Personally speaking, I spent over 700 hours on the '84' show. Quite a few work weeks! How about a few hours from you..... WB7SIC

THE GREATER PORTLAND AREA VOLUNTEER EXAMINER PROGRAM COORDINATING
COMMITTEE MEETING. July 16, 1984 - - NW Natural Gas Building

In attendance: Armand, WA7IIM; Joe, WA7OEM; Randy, KA7HJT; Dave, W7LJN;
Bert, W7JWG; Gary, KX7W; Lea AL7W; Bob N7DDC; Rozy, KA7CED.

Armand, WA7IIM, passed around an application form from the ARRL for test requests. (The ARRL is expected to become a national VEC in the near future.) The form will require the number of VEs available, test site and the VEs who will be administering the test. The request for tests must be submitted 90 days in advance of the test date.

Since the BEARS (Boeing Employees Amateur Radio Society) are already in existence. A request will also be made to them to include the Greater Portland Area group on their list of VEs.

The last test given by the FCC in their office will be in November of 1984.

The Clackamas ARC has a group who are willing to travel to outlying areas to administer tests and also will give tests to shut-ins.

Testing materials will be supplied by the VEC.

It was felt that a rotational schedule between the clubs in the Greater Portland Metro Area for administering tests be set up with all tests being given at FCC Sylvania Campus the first Saturday of each month at 10:00 AM and at 2:00 PM.

The Council of Clubs will be contacted to coordinate the VE program.

Actions that those attending this meeting would like to see the Council of Clubs take are as follows:

1. Get test date and times to: metro area club newsletters, Portland Radio Antronics, local school districts, FCC, etc..
2. Set-up monthly test schedule.
3. Use FCC Sylvania Campus as test site.
4. Schedule tests monthly (12 per year), coordinate travel team and shut-in testing.
5. Invite all registered VEs to attend first scheduled test in November.
6. Notify all those attending tonight's meeting of date and time of next Council of Clubs meeting.

Lea, AL7W, will notify Bob Sauter, KA7AHF, Chairman of the Council of Clubs of this meeting and request them to act as coordinators for the VE program.

Randy, KA7HJT, will handle registration and conformation of test applicants.

Dave, W7LJN, will make arrangements with FCC Sylvania Campus for a room for testing.

Armand, WA7IIM, will be the VE liason for information on testing materials.

Rozy, KA7CED, will compile a list of VEs from each club. Those not on the list will not be allowed to administer tests.

The first tests given by the Greater Portland Area VE Program will be Nov. 3, 1984 at 10:00 AM and again at 2:00 PM at FCC Sylvania Campus upon confirmation of site.

Rozy Clulow, KA7CED

GOT SOMETHING To Sell?

Let us
sell
your
stuff



CLASSIFIED ADS

FREE-FREE-FREE

FOR SALE: Cushcraft 15m 4 element beam with 10 feet of heavy galvanized mast and 100 feet of RG8 coax with fittings. Cost was \$195.00. Sell for \$95.95. Doc Movius, W7ZVC at 284-8271 ext. 464 or call 222-6166.

FOR SALE: Mirage B23 30 watt 2m amplifier. Used very little. Two watts in for 30 out. Works FM, CW and SSB. \$55.00. Al, WB7SIC at 640-5456.

VISIT YOUR LOCAL RADIO STORE

Heathkit

ELECTRONIC CENTER

Brian Hawkins

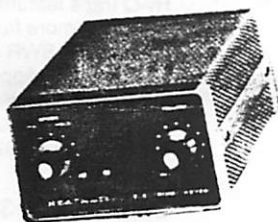
Manager

Heathkit Electronic Center

516 SE Chkalov Dr. #1

Vancouver, WA 98664

(206) 254-4441



Electronic Keyer offers a choice of speed ranges

Select between two variable ranges: 10-35 or 10-60 wpm when you build the kit. Travel and tension of the paddles are adjustable. True iambic operation ensures accurate and precise CW signals. This inexpensive keyer has features you'll appreciate: adjustable volume and sidetone frequency, built-in speaker, weighted cabinet, removable line cord, headphone jack, 96" of shielded cable, connection for an external keyer, tune-up 'hold' switch, receiver audio input and 'power on' lamp. Three phono and one phone plug are supplied with kit. 3" H x 5" W x 7 3/8" D.

HD-1410, Shpg. wt. 4 lbs. 59.95

FAMILY VISION CARE

INDUSTRIAL VISION

CONTACT LENSES

K7NWM

Charles H. Samuel, OD, F.A.A.O.

Doctor of Optometry

Tigard Optometric Clinic
9830 S.W. McKenzie Street

Tigard, Oregon 97223
(503) 639-8844

Too old for Radio?

The percentage of older people — that is, those over the age of 65 — is increasing annually.

A myth we have lived with for centuries is that old people become senile after a certain age; that they are disinterested in music, sports, intellectual activities, etc. This is now recognized for what it is — a tall story. It is no longer required to retire at 65. That age has been increased to 70. Our president, at 73, is running for reelection and could very well make it, according to current polls.

You're probably wondering what this has to do with Amateur Radio. Well, let me offer a little insight.

We have communicated with "hams" as old as 95 years, and they had all their faculties. Recently, a friend of mine (a medical doctor) at age 81 passed the test for the highest grade of Amateur Radio license, Extra Class — a goal for which many young people strive and fail.

Have any of you seen the TV show depicting a pet puppy or kitten given to an aged person in a nursing home, and watched their reactions? It was remarkable! They became animated. They opened their eyes. They smiled. They petted the animal, which responded to this show of affection by cuddling close or licking. Or consider their response to youngsters who volunteer to spend time with these lonely "discarded" oldsters

NORVAC ELECTRONICS

12905 S.W. BEVERDAM ROAD
BEVERTON, OREGON 97005



644-1025

SEMICONDUCTORS
CAPACITORS
RESISTORS
WIRE
CABLE
ENCLOSURES
CONNECTORS
TRANSFORMERS
PANEL METERS
FANS
TEST INSTRUMENTATION
TUBES
HANDTOOLS
TOOL CASES
TUBING
FUSES
BATTERIES
POWER SUPPLIES
LAMPS
CHEMICALS

SOLDER/VOE - SOLDER TOOLS
BREADBOARDS
WIRE WRAP TOOLING
KEYBOARDS
SOCKETS
SPEAKERS
POTENTIOMETERS
MICROPHONES
CRYSTALS
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who are ill — some unable or unwilling to speak, some incapable of walking. My, how it brings a little sunshine into an otherwise dull, dark life!

Amateur Radio is a pet, a youngster — a hobby which offers the world to a shut-in. It shortens those never-ending days. It inspires; it expands one's horizons! We meet others like ourselves. We talk to the young, to the old, to college professors, truck drivers, bankers, kings, and — of course — to the average man and woman who is anxious to exchange a few words with us.

Is anyone too old or infirm to enjoy this hobby? I think the answer is obvious!

ALFRED BEIN, K2BWQ

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for 40 through 10 meters
A self-supporting, automatic band switching vertical that delivers outstanding performance with exceptional L/C ratio and a very low angle radiation pattern. Includes all stainless steel hardware and SO239 input connector.

ORDER NO. 385S

14AVQ/WBS

List: \$93⁰⁰

SALE: \$66⁹⁵

12AVQS

for 20, 15, and 10 meters
A completely self-supporting triband vertical antenna. It delivers exceptionally low angle radiation with 1.5:1 VSWR or less on all three bands. Includes all stainless steel hardware and SO239 input connector.

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12AVQS

List: \$69⁰⁰

SALE: \$49⁹⁵

14AVQ/WBS 18' (5.5 m)

12 AVQS 13.6' (4.1 m)

18AVT/WBS

for 80 through 10 meters
Five band capability with automatic band switching is accomplished through the use of three improved Hy-Q traps featuring large diameter coils for a more favorable L/C ratio. 2:1 or lower SWR at band edges on 40-10 meters. Approximately 40 kHz band width below 2:1 VSWR on 80 meters. Includes all stainless steel hardware and SO239 input connector.

ORDER NO. 386S

List: \$149⁹⁵

SALE: \$107⁹⁵

18VS

80 through 10 meters continuous. Also ideal for short wave listening. This 18' (5.5 m) radiator has a loading coil at base that allows precision antenna resonating. The 18VS may be installed on a short 1 1/8" (42 mm) diameter mast driven into the ground.

ORDER NO. 193S

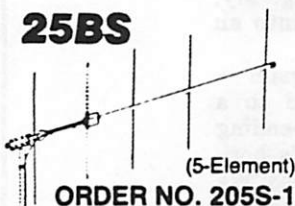
List: \$43⁰⁰

SALE: \$30⁹⁵

18VS 18' (5.5 m)

2 Meter Beams!

25BS



(5-Element)

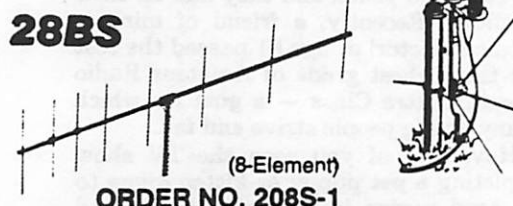
ORDER NO. 205S-1

List: \$34⁰⁰

SALE: \$25⁹⁵

			MAXIMUM GAIN	MAXIMUM FRONT-TO-BACK RATIO	NUMBER OF ELEMENTS
205S-1	25BS	9.1'	20	5	
208S-1	28BS	11.8'	20	8	

28BS



(8-Element)

ORDER NO. 208S-1

List: \$48⁰⁰

SALE: \$37⁹⁵

**SHOP WHERE EVERY DOLLAR
YOU SPEND HELPS SUPPORT YOUR CLUB!**

WORK THE WORLD WITH YOUR HT?

AMSAT AND RADIO CLUBS ARE MAKING IT HAPPEN

Can you imagine working worldwide DX on your 2meter handi-talkie? That's what's happening today for the lucky members of the WB3EYB, N6JFD, KD8GL repeater clubs.

REPEATERS LINK THROUGH AMSAT SATELLITE, OSCAR 10

November 1983 - WB3EYB, the first amateur satellite "gateway station" goes on the air from Harrisburg, PA. An uncomplicated interface between the local 34-94 repeater and WB3EYB's OSCAR 10 satellite station makes it possible for N3BED and WA3UDJ, using only their 2meter FM gear, to work JA's. Excitement abounds!

May 20, 1984 - The second OSCAR 10 gateway station goes on the air with Don, WB8ZTV the control operator. A local veteran amateur of 52 years tells Don that his contacts with G-land amateurs through the KD8GL repeater and the WB8ZTV gateway station is only the second time in his long amateur radio career that he's had goose bumps! (The first time was when he made his first QSO more than half a century ago.)

May 27, 1984 - KD8GL repeater users have a three hour rag chew with Ian, ZL1AOX in Auckland, New Zealand. Ian, an AMSAT expert uses the QRM free conditions on OSCAR 10 to provide answers to the many questions asked by the KD8GL gang.

May 28, 1984 - What's believed to be the first HT to HT QSO through the OSCAR 10 satellite occurred at 1458 UTC when Karen, KB6DDQ in Camerillo, CA worked Jay, KD8GL in West Virginia. Karen was transmitting her one watt signal to the N6JFD repeater which was interfaced to the WA6OBT gateway station. KD8GL worked Karen using his HT, through the repeater bearing his call sign and the WB8ZTV gateway station in Moundsville, West Virginia.

OSCAR 10 - THE BIG REPEATER IN THE SKY

Launched in June 1983, AMSAT OSCAR 10 provides global communications for an average of 10 hours daily. OSCAR 10 behaves much like a repeater, except that its passband is 150 KHz wide instead of a single frequency. The coverage afforded by OSCAR 10 can be measured in thousands of miles.

A gateway station consists of an interface and a typical OSCAR 10 ground station. The interface is relatively simple and inexpensive. A control operator is currently required to satisfy FCC requirements.

Is your club interested in learning more about the opportunities presented by AMSAT OSCAR 10? For more information about this exciting club project, send a SASE to AMSAT Gateways, PO Box 27, Washington, DC 20044.

AMSAT PROPOSES GEOSTATIONARY SATELLITE FLEET

AMSAT needs your comments and suggestions regarding the construction and launch of a system of geostationary (no tracking required) satellites.

A possible launch opportunity exists for such a system around 1988. Three pairs of communications satellites would be placed above the equator in fixed positions equal distances apart and 22,300 miles up. Located in this manner, they would cover the major part of the earth's surface. Such a system would provide reliable communications coverage for radio amateurs on a worldwide basis for 24 hours a day. A Technician Class or above operator would be able to use this system, either directly or possibly via a gateway station connected to a local repeater, to contact any other similarly licensed amateur any place in the world at any time of the day or night.

Your comments, thoughts, suggestions, support and design ideas are urgently sought. Please send your QSL, postcard or letter to: AMSAT, 850 Sligo Ave., #601, Silver Spring, MD 20910.

Remember AMSAT is a volunteer, non-profit organization supported largely through donations and dues. Club membership is \$50 per year and includes a subscription to our publication.

AMSAT ORDER FORM

Please check desired items:

- ☐ AMSAT Membership - \$24 per year; \$26 outside N. America
- ☐ Life Membership - \$600
- ☐ Premium for Airmail Postage of ORBIT Magazine (Outside N. America)
 - ☐ \$9 Central America
 - ☐ \$12 Europe, S. America, Northern Africa
 - ☐ \$16 Asia, Pacific, S. Africa, Middle East, USSR
- ☐ Societies/Club Membership - \$50 per year
- ☐ "The Satellite Experimenter's Handbook" by K2UBC
- ☐ AMSAT Orbit Sponsor Pin - \$10
- ☐ AMSAT Call Sign Badge - \$6 (minimum) donation, first name only

- ☐ Call Name
- ☐ Teeshirt - \$7.50 donation; specify small, medium, large or extra lg.
- ☐ AMSAT decal - \$1
- ☐ Belt buckle - \$13 donation

☐ Enclosed please find my check ☐ Please charge my Visa/MC account

Name

Address

IF RENEWAL, AMSAT MEMBERSHIP NUMBER

For Visa/MC: Card No. Exp. date

TRANSMITTER ~~SUNNY~~ HUNT

SURPRISE!!! We haven't had a hunt for quite a long while so this is great. The search is sponsored by a person who wishes to be anonymous so come on out and find the transmitter as well as Mr. or Mrs. anonymous. There just might be a prize awarded for your effort, not to mention the challenge of using your wits. There will be NO Doppler systems allowed and it may even be against the rules to use a beam?

WHERE: The Farmington Mall at the north end of the parking lot.

WHEN: Saturday, August 18 at 11:30 am

CU at the Farmington Mall with all kinds of primitive gear?? Bet on it!!



MEETING PROGRAM

Don Hillgartner, WA7TEM, a dispatcher for the Washington County Sheriffs Department will give us an in-depth look at the 911 system. We will have a tour from the front door to the back which will include slides as well as verbal info. This will be an excellent opportunity to find out if the system is perfect and if not to ask questions as to why. There are times when you wonder if the person on the other end has really got it together. Here is the chance to satisfy your curiosity. Don has been at his job for quite some time and that includes work both on the night shift as well as days. He should have some interesting little stories to tell. This should make for an entertaining evening so be sure to be there. CU...

EDISON EFFECT: An early electromagnetic phenomenon first observed by Thomas Edison in which the flow of electrons from a heated filament could be drawn off by a charged plate. It led to the development of Over-The-Horizon radar, elimination of home stereo reception and expansion of the phone bands.

WHO TO CALL FOR WHAT

*PUBLIC SERVICE	Jeff Freedman	K7JF	641-6636
*CLUB CONTESTS	Dee Lynch	KA7NPN	646-4580
*TECHNICAL	Terry Biggs	WB7CHK	648-3687
*PROJECT NIGHT	Randy Stimson	KZ7T	297-1175
*PUBLIC RELATIONS	Gino Buell	KA7KBH	646-7991
*CLUB RAFFLE	John Haide	WA7CZA	246-8086
*MEETING PROGRAMS	Paul Lucas	WB6SHR	641-8703
*CLUB SOCIALS	Randy Stimson	KZ7T	297-1175
*EMERGENCY SERVICE	Randy Cobb	KA7HJT	649-5066
*TRAINING (classes)	Warren Winner	W7JDT	644-0752
CLUB JACKETS	Warren Winner	W7JDT	644-0752
ARRG INFO	Linda Cereghino	N7CZY	643-5862
CLUB BADGES	Linda Cereghino	N7CZY	643-5862
ROSTER CHANGES	Dick Powers	WB7ADM	655-6498
CLUB QSL CARDS	Dick Powers	WB7ADM	655-6498
CLUB T-SHIRTS	John Burgess	N7DCQ	649-9095
ARRL MEMBERSHIP	Doc Miller	KA7BSD	292-8090
CLUB SCRAPBOOK			

NEWSLETTER	Al Berg	WB7SIC	640-5456
CONVENTION	Al Berg	WB7SIC	640-5456

* (indicates committee)

CLUB ARRL APPOINTEES

ARES District Emergency Co-Ordinator	KZ7T
ARRL Assistant Director and Club Liaison	WB7SIC

RESULTS STILL HANGING

We have, at this time, yet to hear the results of the May Happy Hour, convention income total and how we did at field day. I hope to give you these answers in next months newsletter. Some of our committee people have been on vacation so a no--news situation is to be expected. September should show a big upswing in a return to thinking about responsibilities and the passing on of club information. Hope so...

EDITORIAL (short)

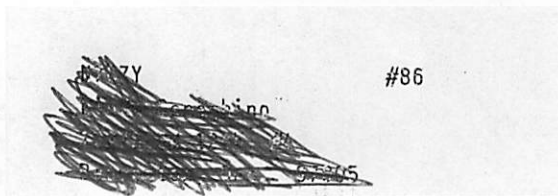
I am looking for someone to put together the ad pages of this newsletter. Someone who will take over all aspects of the ad program and make sure that the copy is ready on time each month. Not to do the copy but just to get it all ready to go. It would be a great help and would go far to insure that the club won't have to look for a new, fresh editor in the near future. Applicants will be welcomed with open arms. Also, would the committee people PLEASE get reports to me on time. It is getting a little rough.... Thanks

Just a little footnote.



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